IN THE CLAIMS:

1. (Currently Amended): A method of providing terrain data to multiple users, the method comprising:

receiving a request <u>at a server</u> for terrain data from one of multiple ~~requestors~~ <u>requestor devices remotely located from the server</u>;

extracting requested terrain data from a database of terrain data<u>, the database being associated with the server</u>;

transforming the extracted terrain data to a format identified in the request; and

sending the formatted terrain data to the <u>one of multiple</u> requestor <u>device,</u>

<u>wherein the terrain data includes terrain elevation information</u>.

2. (Original): The method of claim 1 wherein transforming comprises scaling the extracted terrain data.

3. (Original): The method of claim 1 wherein transforming comprises modifying an orientation of the extracted terrain data.

4. (Original): The method of claim 1 wherein the request comprises parameters indicating at least one of the location, size, resolution, and type of terrain data required.

5. (Original): The method of claim 1 wherein the request comprises process control criteria.

6. (Original): The method of claim 5 wherein the process control criteria comprises at least one of a priority indication, response routing information and integrity requirements.

7. (Currently Amended): The method of claim 1 wherein the request comprises an integrity requirement, and further comprising:

using separate terrain ~~servers~~ server systems to extract terrain data based on a request; and

comparing extracted terrain data from the separate terrain ~~servers~~ server systems.

8. (Currently Amended): A computer readable medium having instructions for causing a computer to execute a method of providing terrain data to multiple users, the method comprising:

receiving a request for terrain data from one of multiple requestors;

extracting requested terrain data from a database of terrain data;

transforming the extracted terrain data to a format identified in the request; and

sending the formatted terrain data to the requestor,

wherein the terrain data includes terrain elevation information.

9. (Original): The computer readable medium of claim 8 wherein transforming comprises scaling the extracted terrain data.

10. (Original): The computer readable medium of claim 8 wherein transforming comprises modifying an orientation of the extracted terrain data.

11. (Original): The computer readable medium of claim 8 wherein the request comprises parameters indicating at least one of the location, size, resolution, and type of terrain data required.

12. (Currently Amended): The computer readable medium of claim 8 wherein the request comprises an integrity requirement, and wherein the method further comprises:

using separate terrain ~~servers~~ server systems to extract terrain data based on a request; and

comparing extracted terrain data from the separate terrain ~~servers~~ server systems.

13. (Currently Amended): A system that provides terrain data to multiple users, the system comprising:

means for receiving a request for terrain data from one of multiple requestors;

a data extraction module that extracts requested terrain data from a database of terrain data;

a data processing module that transforms the extracted terrain data to a format identified in the request; and

means for sending the formatted terrain data to the requestor,

wherein the terrain data includes terrain elevation information.

14. (Original): The system of claim 13 and further comprising means for managing queue functions related to the order in which requests are handled.

15. (Original): The system of claim 14 wherein queue functions comprise adding new requests, de-queuing of requests, and removing aborted requests.

16. (Original): The system of claim 13 and further comprising means for determining the priority of requests based on at least one of receive a order, request type, requested priority and classification of a requesting device.

17. (Currently Amended): A system that provides terrain data to multiple users, the system comprising:

a request interface that receives requests for terrain data from multiple requestors;

a data extraction module that extracts requested terrain data from a database of terrain data;

a data processing module that transforms the extracted terrain data to a format identified in the request; and

a response interface that sends the formatted terrain data to the requestor,

wherein the terrain data includes terrain elevation information.

18. (Original): The system of claim 17 wherein the request interface and the response interface comprise a transceiver communicatively coupled to the multiple requestors.

19. (Currently Amended): A computer readable medium having a terrain data request stored thereon, the request comprising:

a location parameter indicating the location of terrain;

a size parameter indicating the size of terrain about the location of the terrain;

a resolution parameter identifying the resolution of the terrain data corresponding to the location and size parameters; and

a data processing criteria specifying data processing to be performed on the terrain data requested,

wherein the terrain data includes terrain elevation information.

20. (Original): The computer readable medium of claim 19 wherein the data processing criteria comprises criteria selected from the group consisting of scaling, filtering, orientation and data layering.

21. (Original): The computer readable medium of claim 19 wherein the request further comprises process control criteria selected from the group consisting of priority indication, response routing information and integrity requirements.

22. (Currently Amended): A system that provides terrain data to multiple users, the system comprising:

request interface that receives requests for terrain data from multiple requestors;

a first data extraction module that extracts requested terrain data from a database of terrain data;

a second data extraction module that extracts requested terrain data from a database of terrain data;

a data processing module that transforms the extracted terrain data to a format identified in the request; and

a response interface that sends the formatted terrain data to the requestor,

wherein the terrain data includes terrain elevation information.

23.   (Original): The system of claim 22 wherein the data processing module compares extracted terrain data from the first and second extraction modules.

24.   (Original): The system of claim 22 wherein the data processing module combines extracted terrain data from the first and second extraction modules.

25.   (Original): The system of claim 22 and further comprising multiple further extraction modules operating in parallel to obtain terrain data from different portions of the terrain identified in the request.

26.   (Currently Amended): A method of providing terrain elevation information to multiple users, the method comprising:

receiving a request at a server for terrain elevation information from one of multiple requestors requestor devices remotely located from the server;

extracting requested terrain elevation information from a database of terrain data, the database being associated with the server;

transforming the extracted terrain elevation information to a format identified in the request as compatible with the requestor device; and

sending the formatted terrain data to the requestor device,

wherein the terrain data includes terrain elevation information.